

FL39 1 MAAV.....R.RHER.....DVVE.....
 ICK1 1 M..V.....RKYRKAK.....GIVE.....
 FL67 1 M.....GKYIRKSKIDGAGAGAGGGGGGGGGESSIALMDV...VSFS..
 FL66 1 M.....GKYMKKSKITG.....DISVMEVSKATAPS..
 ALFCDKI 1 M.....GKYMKKLLK.....SKSESPSPN
 CrCKI 1 MAAAATPTSSPAKKIKK.....VSKS.....

FL39 14ENGVTT.....
 ICK1 14A.GVSS.....
 FL67 41SSSSLGVLTR.AKSLALQQQQQRCLLQKPSSP
 FL66 27P....GVRTRAAKTLAL....KR..LNSSAAD
 ALFCDKI 19 STPTPSPSPSPPTPITTNSPPPTFPNSSDGVRTR.ARTLAIE.....NS..
 CrCKI 22

FL39 20TT..VKRRKMEEEVDLVES
 ICK1 19IY..MQLR.....S
 FL67 72 SSLPPTSASPNPPSKQKMKKKQQQM.....D..CGSY..L..QLR.....S
 FL66 49 SALP.....N....DSSC..Y..L..QLR.....S
 ALFCDKI 61NNQNQLSVSSD.....SY..L..QLR.....N
 CrCKI 22SYNIPQLR.....S

FL39 37 RIILSPCVQATNRGGIV.AR.....
 ICK1 26 R.....R..IVYVR.....
 FL67 108 R.....RLQKQP.....FIVVIRSTKRRKQQRNETCGRNPN
 FL66 64 R.....RLK.KPSSLIEF.....KQ.....P.
 ALFCDKI 80 R.....RLKR.....ELIRQHSAKRNN.....GHGDN
 CrCKI 31 R.....R.....K.....N

FL39 56NSAGASE..TSV....VIVRRRDSPPVEEQ.....
 ICK1 33SEKSSSV....SVV.....
 FL67 140 ...PISNLDSIRGDSRS..DSVSE..SVVFGKDKDLISE.I....NKDPTF...
 FL66 79 ...PIVHRSGIKESGSRSDSVN..SVP.....VAQSS....NEDECGDNF
 ALFCDKI 102 ...PK...SPI...G....DSFAEEKTV.....QKSPEPENAE..LK..
 CrCKI 35 LSAP.....

FL39 80 ..CQIEEEDSSV.SCCSTSEE.KSKRRIEFVDLEE..NNGDDRET.ETSWIY...
 ICK1 43GONGVSSSCSGSNEYKKK...ELIHLEEDKDGD...T.ETS.TYRRG
 FL67 180GON.....FFDLEEEHTQSFNRTTRES.....
 FL66 117 VSVQVSCGENSLG.....F....ESRH.....STRES.....
 ALFCDKI 129ENA.....ECTE.....RSARET.....
 CrCKI 39EN.....EADI.....ET

FL39 125DDLNKSEESMNMDS..SSVAVEDVE.....
 ICK1 83 TKRKLCEENLREEEKEELSKSME..NYSSEFES.AVK..E.....
 FL67 202 TF.....CS.....LIRRPDM.....TT.....PG
 FL66 140 TF.....CN.....FVEDMEIM.....VT.....PG
 ALFCDKI 142 TF.....VH.....LIMRADVLRPPRPITRRT.FE..
 CrCKI 47 TPLEVAAVVEEEEVANCS.....SSEVI.....TIARSDFFP

Figure 1

FL39	148	SRRRL.....RKSLHETV..
ICK1	117	S...LDCCCS.....GRKTMEEIVTA
FL67	218	SSTKLNIC..VS.....ESNOR..EDSLSR
FL66	156	SSTR.SMCRATK.....EYTRE..QDNVI.
ALFCDKI	166	..T.....EANKP..TE....
CrCKI	79	S.....CCSSNYDQLSSSEPEVVKDDDGLGNRTADPEVESGEASSK..QK...E

FL39	161K.....EAELEDFEQVAEKDLRNKLLHCSMK
ICK1	135	EEEEKAKLMT.....EMFTESETEDEFFVEAEKQLKEF...KKK
FL67	239	SHRRR.....PTT.....E...EMDEFFSGAEEOOKQFIE...K
FL66	177PTT.....S...EMEEFFAYAEQQOORLFME...K
ALFCDKI	174Q.....PTI.....FISREFFFFCAKHAEQOREFME...K
CrCKI	123	SHRTEAREATKLDQDYBATKSTVQIKMESDSEIEEFFFAVAEKLLOKRESE...K

FL39	187YNFD FEKDEPLGGGRYE
ICK1	171YNFD FEKEKPL. EGRYE
FL67	268	YVFPRFICSVLLVMSFQFVLFFSFGLVSLMVSVNSFFRYNFD PVNEQPLP. GRFE
FL66	201YNFDIVNDIPLS. GRYE
ALFCDKI	202YNFD PVTEQPLP. GRYE
CrCKI	175YNFDIVKLVPLK. GRYD

FL39	204	WVKINE
ICK1	187	WVKLE
FL67	322	WTKVDD
FL66	217	WVQVKE
ALFCDKI	218	WEKVSE
CrCKI	191	WVPINE

FIGURE 1 (continued)

Figure 2B

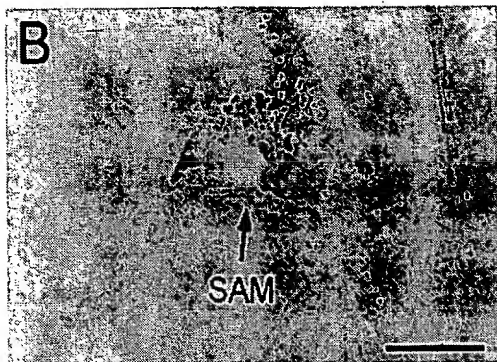


Figure 2D



Figure 2E

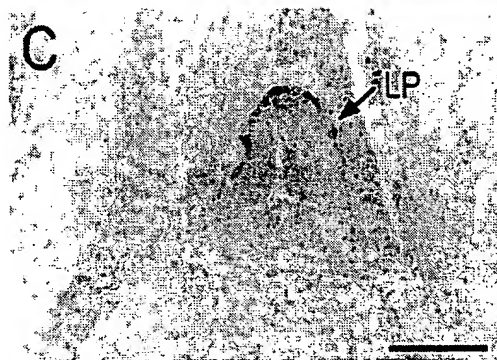
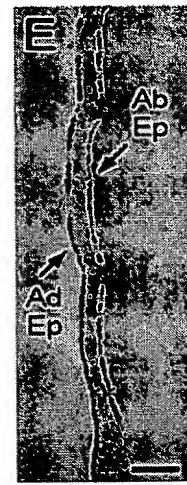


Figure 2C



Figure 2F

Control

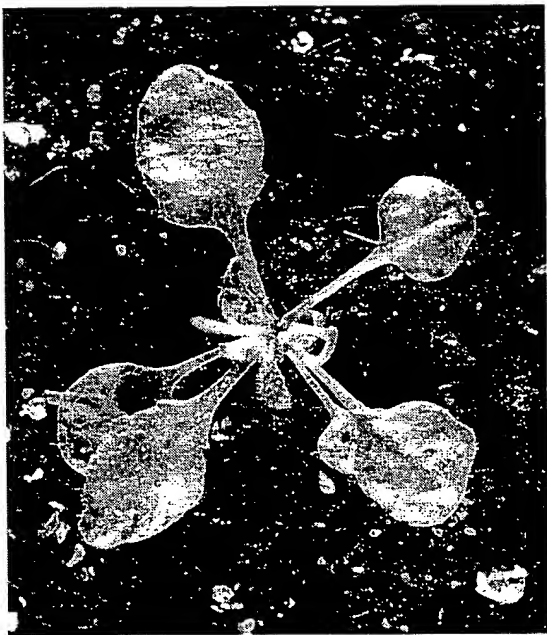


Figure 3A

ICK2 1.10



Figure 3B

Control

ICK2 1.10

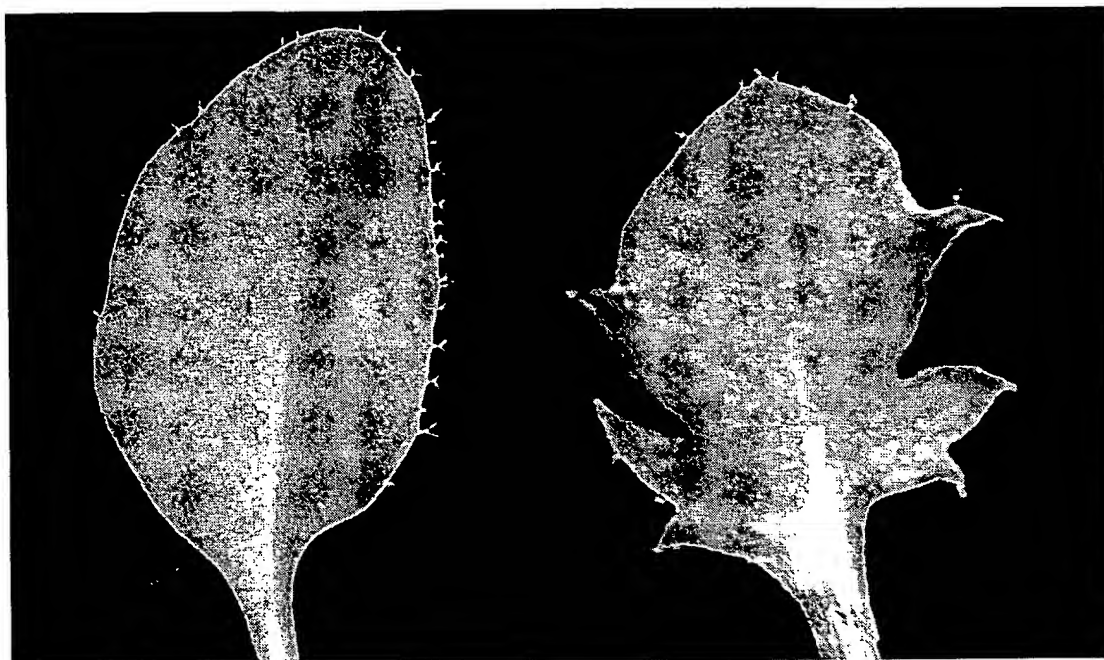


Figure 3C

Figure 4A



Figure 4B



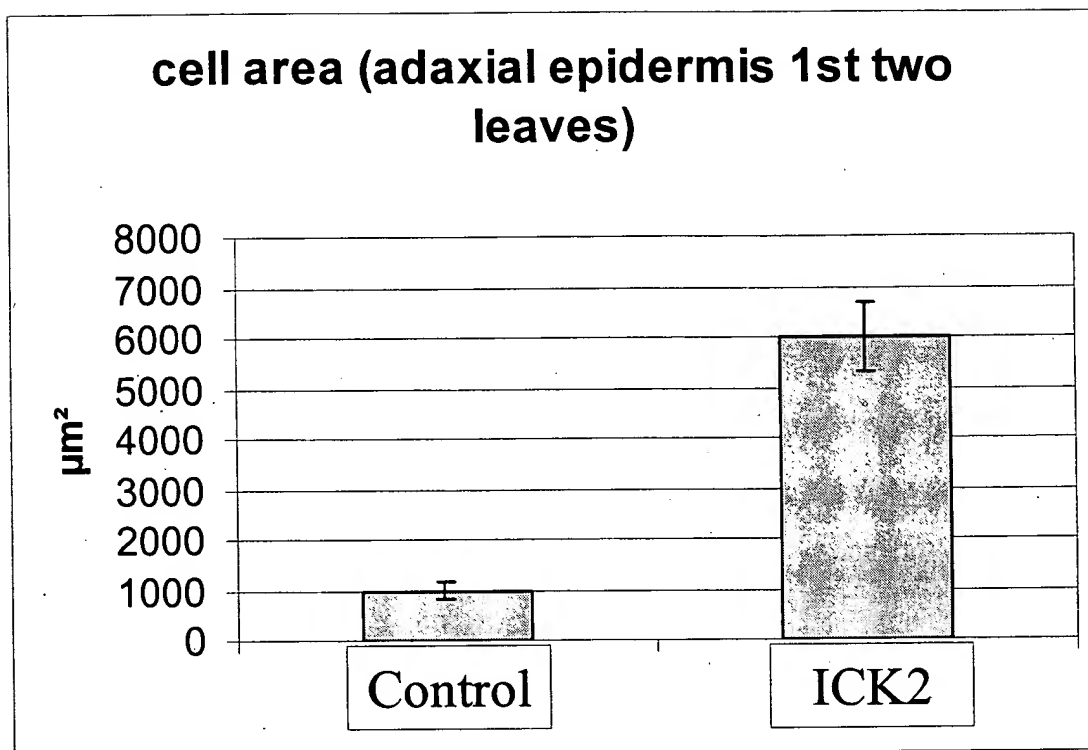


Figure 5

Figure 6A

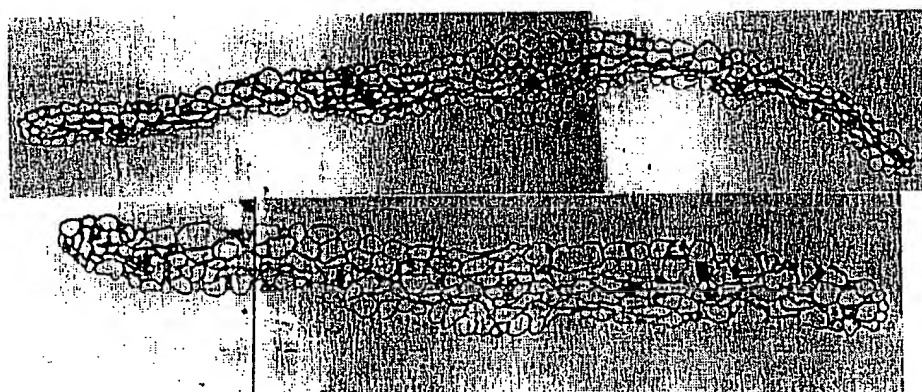


Figure 6B

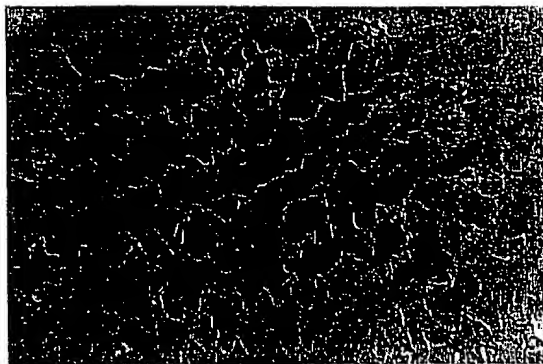
Narrow leaves: Whole-mount study of cleared leaves (1st rosette leaves)

A



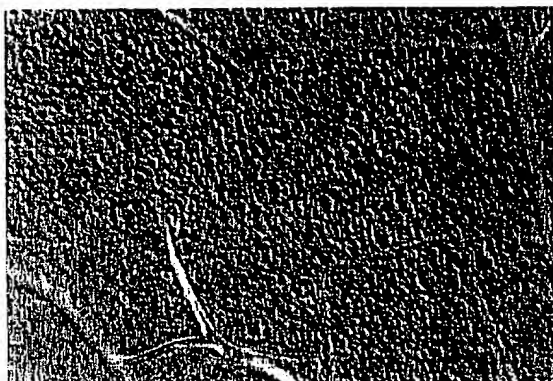
WT: DIC image of adaxial epidermis

B



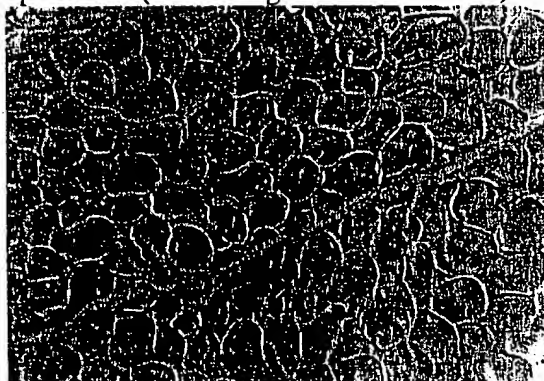
35SFL39: DIC image of adaxial epidermis (same magnification as WT)

C



WT: DIC image of palissade layer

D



35SFL39: DIC of palissade

E



WT: DIC image of spongy parenchyma

F



35SFL39: DIC image of spongy parenchyma

G



WT: DIC image of abaxial epidermis

H



35SFL39: DIC image of abaxial epidermis

Figure 7

Control

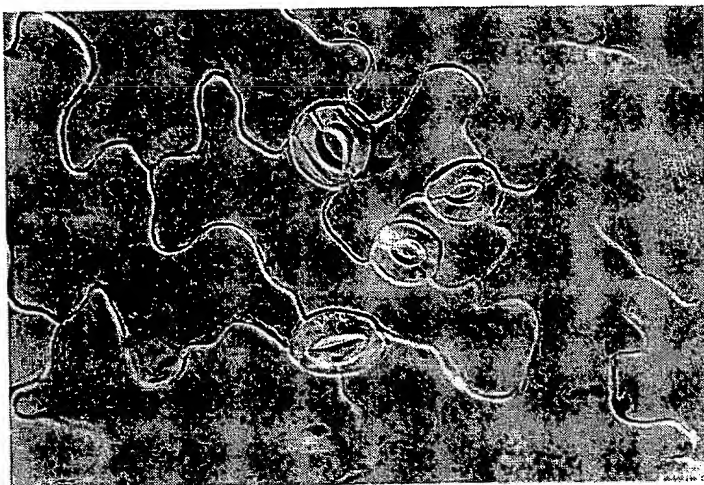


Figure 8A



Figure 8B

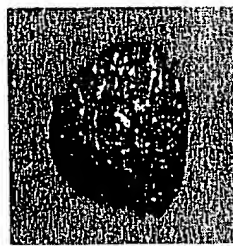
ICK2

Figure 9A



WT seed

Figure 9B



35SFL39 seed

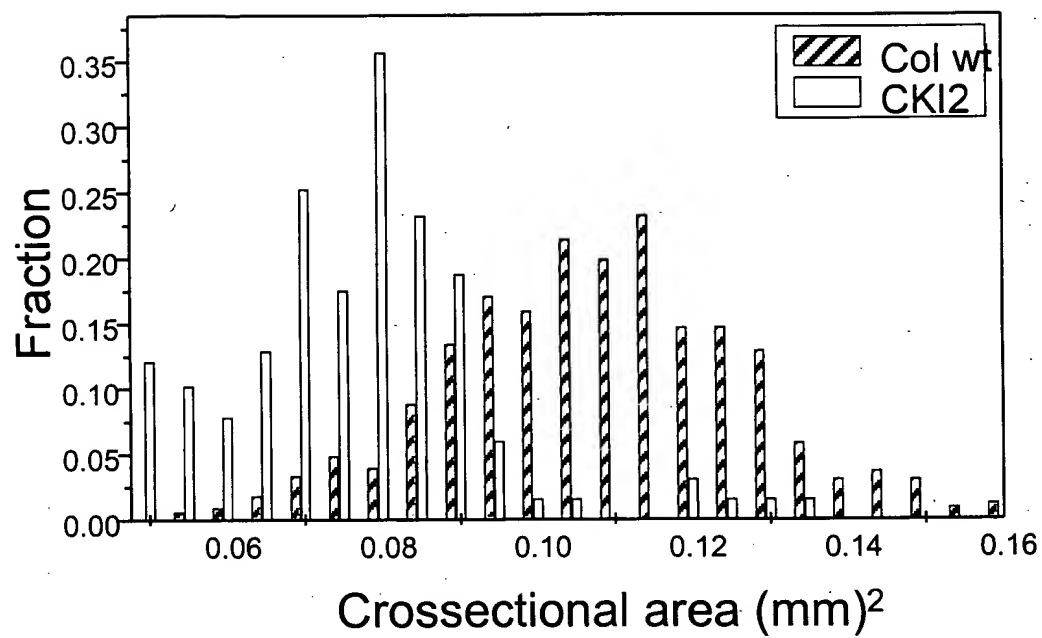


Figure 10

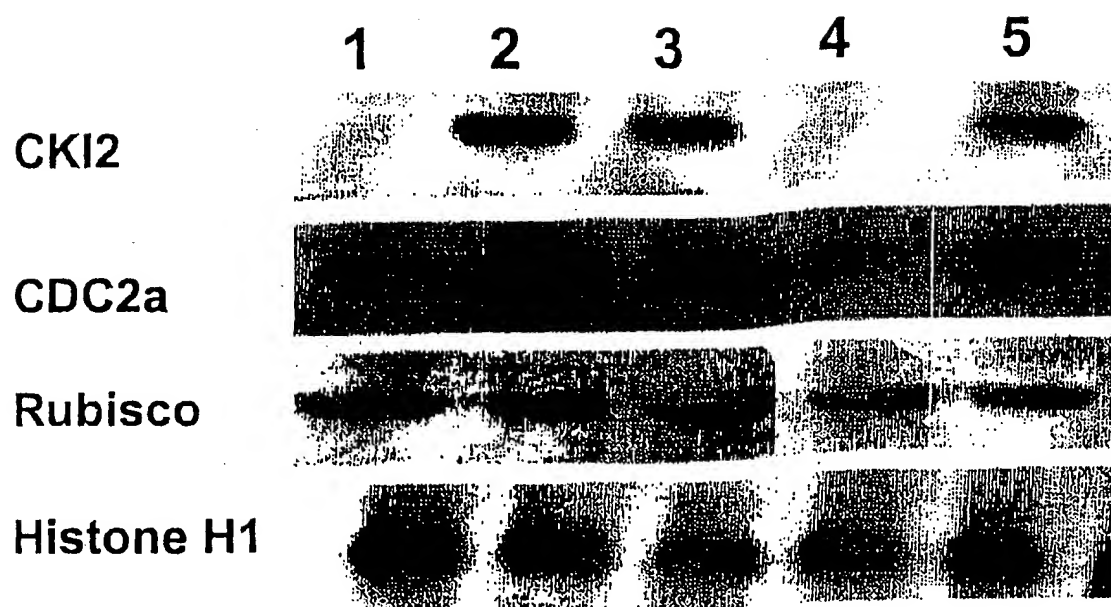


Figure 11

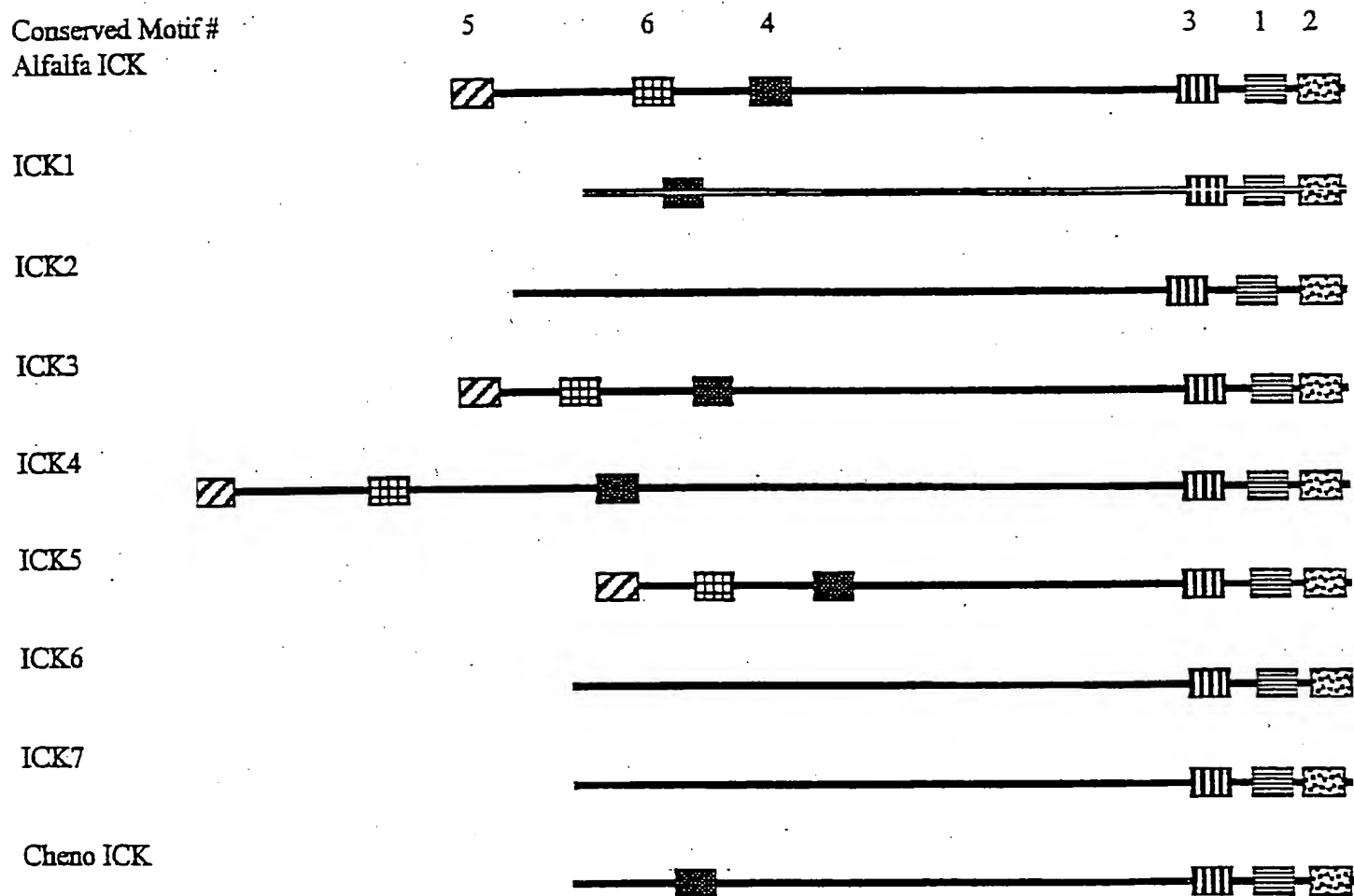


Figure 12

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